

Test Questions for Chapter 38: Transport in Plants

Circle the correct answer

1. True or False: The phloem in plants only carries CO₂.
2. True or False: Fungi, or mycorrhizal associations, help the plant get more water.

Matching:

- | | |
|---------------------------------------|--|
| 3. ____ Plasmolysis | a. The reason why dew appears in the morning |
| 4. ____ Turgid | b. When the cells are swollen and stiff |
| 5. ____ Wind velocity and Temperature | c. The way water molecules stick together and stick to the side of the xylem |
| 6. ____ Cohesion | d. When cells lose too much water and die |
| 7. ____ Guttation | e. Factors that speed up transpiration |

Fill in the Blank

Drought

High Salt Concentrations

Flood

8. When the plant is experiencing _____ conditions, the plant will probably die from water loss.
9. When a plant is experiencing _____ conditions, the plant sometimes has abnormal root growth and doesn't do cellular respiration very well.
10. When a plant is experiencing _____ conditions, the cells undergo plasmolysis.